Geobyte Index and Reference — 1985 Through 1990

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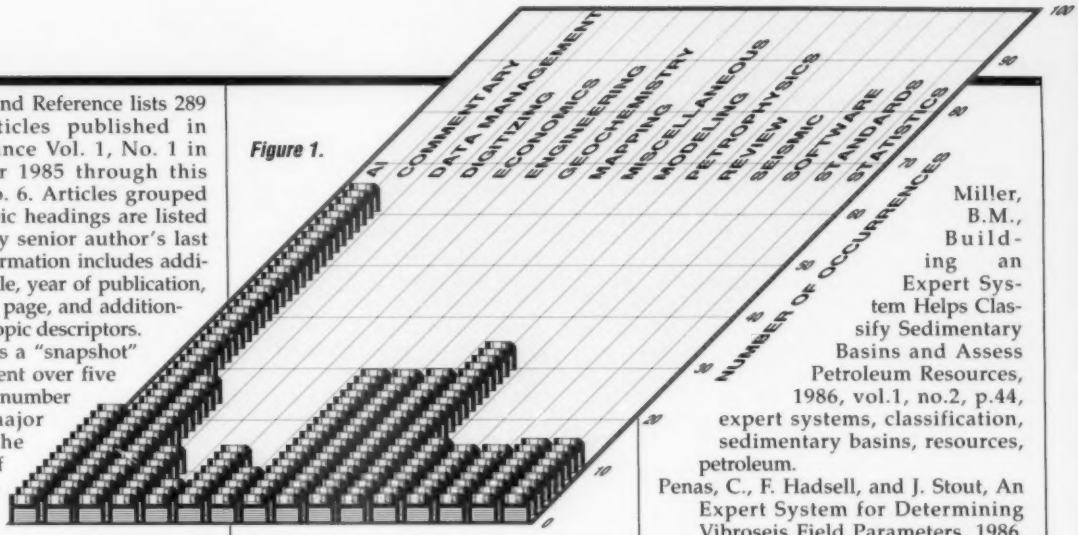
The Index and Reference lists 289 major articles published in *Geobyte* since Vol. 1, No. 1 in November 1985 through this issue, Vol. 5, No. 6. Articles grouped under major topic headings are listed alphabetically by senior author's last name. Other information includes additional authors, title, year of publication, volume, number, page, and additional key words or topic descriptors.

Figure 1 offers a "snapshot" of *Geobyte*'s content over five years, listing the number of articles in major topic areas. The large number of articles styled as "commentary" and "petrophysics" includes regular columns, which may cover a range of topics.

Figure 1.



The Index was entered into R:Base for DOS, and includes the month of publication in addition to the information listed here. The Index/Reference is available on disk in ASCII (fixed or delimited) format for use with MS DOS or Macintosh computers.

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Artificial Intelligence

Beaumont, D.F., Future Technical Capabilities in Petroleum Geology, 1987, vol.2, no.1, p.6, expert systems, capabilities, modeling, education, forecasting.

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DelCour, J., Artificial Intelligence Becomes a Real Tool, 1986, vol.1, no.2, p.10, artificial intelligence, history, robotics, natural language, expert system.

Denton, M., T. Kuo, T., and R.A. Startzman, Putting 'Smart' Tools To Work, 1989, vol.4, no.4, p.8, AI, conference, exploration, production, applications, expert systems.

Ennis, S.P., A Look at Knowledge-Based Information Systems, 1985, vol.1, no.1, p.24, natural language, mapping, computer, geologic, expert system.

Fang, J.H., A.W. Shultz, and H.C. Chen, Expert Systems and Petroleum Exploration: An Overview, 1986, vol.1, no.5, p.6, expert systems, technique, review, artificial intelligence, exploration.

Fowler, M.L., SRPS: A Knowledge-Based System for Predicting Source Rock Potential, 1987, vol.2, no.4, p.24, prediction, analysis, geochemistry, source, AI, software, source, rock, expert system.

Kuo, T., and R.A. Startzman, Field-Scale Stratigraphic Correlation Using Artificial Intelligence, 1987, vol.2, no.2, p.30, well log, statistics, AI, application, correlation, analysis, stratigraphy, expert systems.

Maslyn, R.M., Gridding Advisor: An Expert System for Selecting Gridding Algorithms, 1987, vol.2, no.4, p.42, AI, technique, software, gridding, statistics, expert systems.

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Busbey, A.B., The Macolumn: Desperately Seeking Software, 1988, vol.3, no.3, p.79, software, commentary, Mac.

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———, The Macolumn: From the Amazing '80s to User's Dream: The Mac Decade, 1989, vol.4, no.6, p.64, Macintosh, Apple, review, commentary, cross sections.

———, The Macolumn: The Mac Gets Geophysical, 1990, vol.5, no.1, p.74, Macintosh, geophysics, analysis, commentary, review.

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———, The Macolumn: Promises, Promises — Hardware, Software, and a Mild Case of Vapors, 1990, vol.5, no.3, p.36, Macintosh, review, commentary, software, hardware.

———, The Macolumn: Perusing Another Passel of Products, 1990, vol.5, no.4, p.37, Macolumn, commentary, software, printers.

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———, 11 Specious Reasons to Resist the Mac, 1990, vol.5, no.6, p.16, commentary.

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———, NewTech: Those Michigan Iconoclasts Have Created Something Fast, 1989, vol.4, no.4, p.60, commentary, Vortext, Aangstrom Precision.

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———, The Circuit Writer: Redirectory: Reprint & Be Saved; Postdictions; Global Search: About, 1990, vol.5, no.3, p.10, commentary, editorial.

———, The Circuit Writer: Uppity Nerds, Unite! (So We'll Know for Sure Who to Avoid), 1990, vol.5, no.4, p.10, commentary.

———, The Circuit Writer: Spare Us This Windfall & Keeping High Tech Down to Earth, 1990, vol.5, no.5, p.8, commentary, editorial.

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Data Management

Armitage, D.L., Integration — Workgroups, Not Just Workstations, 1990, vol.5, no.5, p.42, integration, standards, data management.

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Kornfeld, I.E., and M.L. Barracca, Database Management Streamlines Stratigraphic Cotton Valley Exploration, 1986, vol.1, no.3, p.60, exploration, database management, well logs, mapping.

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Rhynes, P.J., PRISM: Petroleum and Resource Industry Information Storage and Management, 1990, vol.5, no.5, p.31, data management, PRISM, information storage.

Selner, G.I., and R.B. Taylor, GSMAP & Other USGS Microcomputer Programs for Earth Science Applications, 1988, vol.3, no.4, p.36, USGS, programs, software, mapping, plotting, review, IBM, applications.

Shier, D., Dawn of the Disk — Data Vendors Put Optical Media to Work, 1989, vol.4, no.2, p.22, optical, disk, applications, review, vendors.

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Digitizing

Busbey, A.B., The Macolum: Geo Goodies and a Closer Look at MapPICT, 1990, vol.5, no.6., p.60, digitizing, review, graphics, commentary, Macintosh.

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Elphick, R.Y., Petrophysical Corner: Digitizing Well Logs, 1988, vol.3, no.1, p.46, well logs, digitizing, technique, software, data.

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